

Model:TLPA17G22G-51-51-BC

**Solid State High Power Amplifier Systems
17-22GHz,Gain:51dB,Psat:51 dBm,220V AC**

Feature:

- Wide Band: 17-22GHz
- Gain: 51dB Min
- Psat Output Power:51dBm Min
- Protection:Over TEM,over voltage, over current ,over VSWR protection.
- 50 Ohm Matched Input / Output



Electrical Specifications:

Parameter	Symbo	Min	Typ	Max	Units
Frequency range	BW	17-22			GHz
Small Signal Gain	SSGP	51			dB
Gain flatness	ΔGL			±4	dB
Output Psat	Psat	51			dBm
Spurious@Pout=53dBm	Spur			-60	dBc
Harmonics@Pout=53dBm	HAM			-20	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac		220		V AC
Consumption	Pdiss			3000	W
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

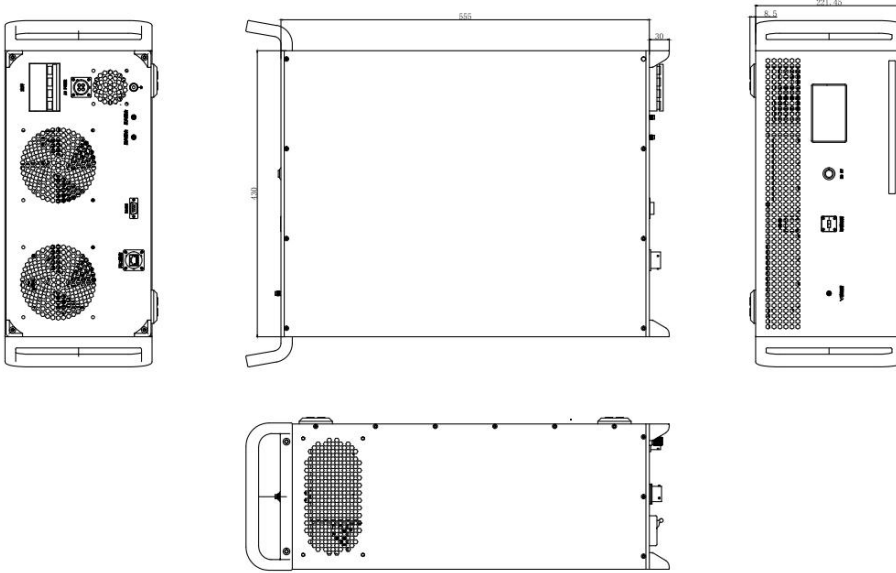
Parameter	Value	Units
Input /Output Connector	2.92mm Female/WR-51	
Communication Connector	RJ-45/DB9	
Front Panel LCD Screen Display	7 inch LCD Screen Display	
Size	19 Inch 5U*553	mm
Weight	≤45	Kg

Absolute Maximum Ratings:

Parameter	Value
RF Input Power	10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



Key Features:



Parameter	Advantages
Control functions	1, Power setting On/Off
Display functions	1, Output Power 2, Reflect Power 3, Fault Informations
Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR
Remote control	RS422/Ethernet
Cooling system	Built in Cooling system, forced air cooling

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature*	-20		+40	°C
Non-operating Temperature*	-30		+50	°C
Relative humidity		95		%
Altitude	10000			feet
Shock / Vibration(MIL-STD- 810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

*Note: For a wider temperature range, please consult the manufacturer.

Ordering Information:

Part Number	Description	Revision
TLPA17G22G-51-51-BC	Solid State High Power Amplifier Systems 17-22GHz,Gain:51dB,Psat:51 dBm,220V AC,Built in Fan Cooling	Rev.1.0